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AbstractMethod and Apparatus for Transmitting Data

5 Data relating to the status of users 12 in a mobile
communications system is broadcast via satellite 8 from a
network register 4 to local registers 10 in an HDLC
format. Each of the local registers 10 requests
retransmission of any HDLC frames which are incorrectly
received. The network register 4 records the earliest
transmitted frame not yet acknowledged by all of the
10 local registers and inhibits transmission of new frames
if they fall outside a transmission window relative to
the earliest transmitted frame. The network register 4
polls the local registers 10 for retransmission requests
and the local registers 10 also send unsolicited requests
15 to the network register 4. The network register 4 only
retransmits a frame once if multiple requests for that
frame are transmitted within a predetermined period.
When a new local register 10 enters the broadcast
reception group, the network register 4 informs the new
20 local register 10 which new frame will next be
transmitted. The number of bits used for frame sequence
numbers is greater than that defined in the HDLC
protocols.

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